

# Progress Report of SKDKHEP

**Project** : Solu Khola (Dudh Koshi) Hydroelectric Project (86 MW)  
**Employer** : Sahas Urja Ltd.  
**Engineer** : Consortium of Hydro-Consult Engineering Ltd. and Fichtner GmbH & Co. KG

**Civil Contractor (Lot1)** : CE Construction Pvt. Ltd.  
**HM Contractor (Lot 2)** : Machhapuchhre Metal and Machinery Works (P). Ltd.  
**EM Contractor (Lot2)** : Voith Hydro Pvt. Ltd.  
**Auxiliary Civil works (Lot3)** : Gaura Construction Pvt. Ltd.  
**TRL Contractor (Lot4)** : Gaura Construction Pvt. Ltd.

Civil-Surface Works	% Completion
Weir, Undersluice and Stilling Basin	88%
Intake, Gravel Trap and Flushing	99%
Approach Culvert	100%
Settling Basin	98%
Headrace Culvert	30%
Powerhouse	83%



1. Weir



2. Headrace Culvert progress.



3. Roofing work at Powerhouse

Civil-Under Ground Works	% Completion with respect to excavation
Headrace Tunnel	90%
Penstock Tunnel (Inclined Section)	100%
Penstock Tunnel (Vertical Section)	100%
Adit Tunnels	100%
Surge Tunnel	100%

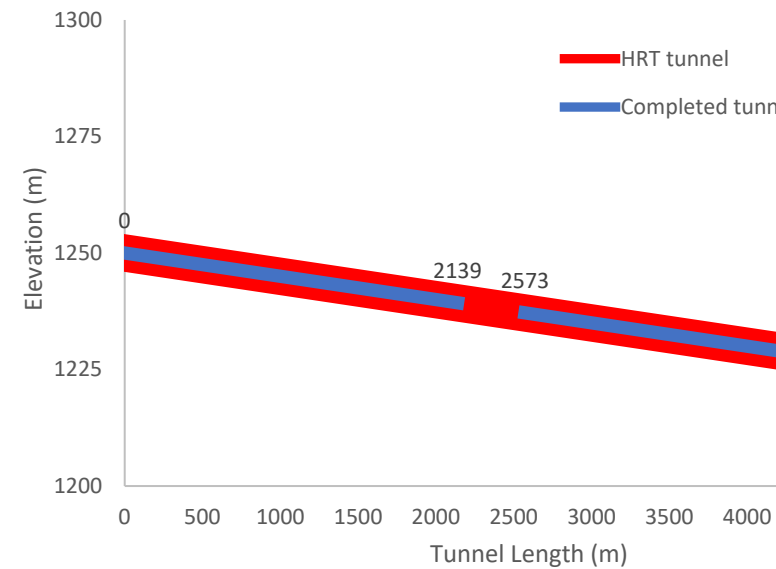


Figure 4. Headrace tunnel progress

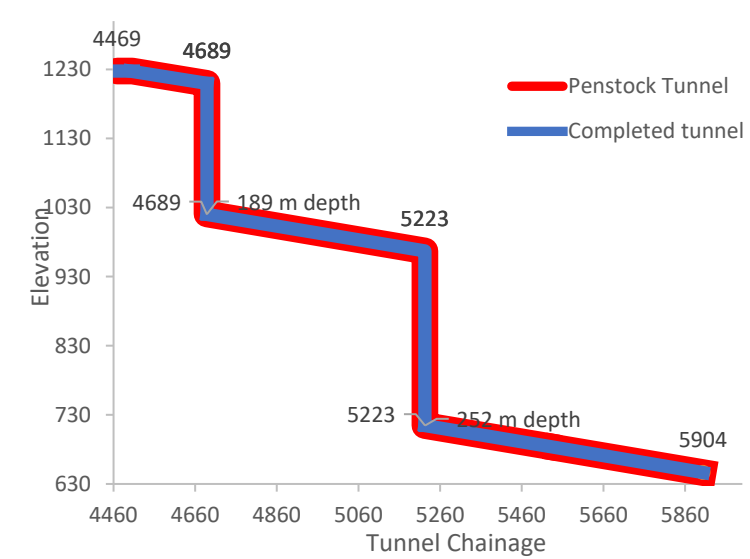


Figure 5. Penstock tunnel



6. Vertical Shaft 1 breakthrough

## Hydro-Mechanical Works:

- Rolling and welding of penstock pipes - **86% completed**
- Blasting and painting of penstock pipes - **82% completed**
- Steel lining at headworks - **100% completed**
- Embedded parts of gates at headworks - **95% completed**
- Transportation of plates - **95% completed**

## Electro-Mechanical Works

- Earth mat transported to site and installed at powerhouse foundation - **65% Completed**
- Design of electro-mechanical components - **95% Completed**
- EOT Crane installation at site – **Completed**
- Transportation of various Electro-Mechanical component to site - **ongoing**
- Turbine housing installation - **2 units completed; 3<sup>rd</sup> unit ongoing**



7. Bend installation at vertical shaft 2 bottom



8. Turbine housing assembly and fitting work at Powerhouse

**Note:** The Reporting period is till July end 2021. The latest site photos are updated on timely basis in the Gallery section of our website.